

I claim:

- 1 1. A pointing device control method for mapping a pointing device to a plurality of
2 displays, comprising:
3 mapping the pointing device to a first one of the displays;
4 detecting a position indicated by the pointing device;
5 determining if the position indicated by the pointing device is a position that corresponds
6 to another one of the displays; and
7 remapping the pointing device to the other one of the displays.
- 1 2. The pointing device control method of claim 1, wherein the position corresponding to
2 the other display is near an edge.
- 1 3. The pointing device control method of claim 2, wherein the edge is an edge of a
2 graphics tablet.
- 1 4. The pointing device control method of claim 2, wherein the edge is an edge of an
2 active display.
- 1 5. The pointing device control method of claim 1, wherein the pointing device is an
2 absolute pointing device.
- 1 6. The pointing device control method of claim 1, wherein the pointing device includes a
2 graphics tablet.
- 1 7. The pointing device control method of claim 1, wherein the pointing device includes a
2 stylus.
- 1 8. The pointing device control method of claim 1, wherein remapping the pointing
2 device includes changing which of the plurality of displays is controlled by the pointing device.

1 9. The pointing device control method of claim 1, and further including a preliminary
2 step of defining the width of a proximity zone near an edge to establish the position
3 corresponding to the other monitor.

1 10. The pointing device control method of claim 1, and further including a preliminary
2 step of identifying and storing the relative positions each of the plurality of displays.

1 11. The pointing device control method of claim 1, and further including:
2 a preliminary step of recording the existence or nonexistence of a display on the left
3 of each of the plurality of displays; and
4 a preliminary step of recording the existence or nonexistence of a display on the right
5 of each of the plurality of displays.

1 12. The pointing device control method of claim 1, and further including determining
2 how long the pointing device has indicated the position corresponding to the other one of the
3 displays.

1 13. The pointing device control method of claim 1, and further including:
2 a preliminary step of setting an elapsed time which the pointing device must remain
3 indicating a position near an edge before the pointing device is remapped.

1 14. The pointing device control method of claim 1, wherein the step of determining if the
2 position indicated by the pointing device is a position that corresponds to another one of the
3 displays includes:
4 determining which of the plurality of displays is an active display;
5 determining whether the pointing device is indicating a position near a specific edge;
6 and
7 determining if there is a display in a direction indicated by the specific edge.

1 15. The pointing device control method of claim 1, wherein:
2 the position indicated by the pointing device is a left edge.

1 16. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 1.

1 17. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 2.

1 18. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 3.

1 19. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 4.

1 20. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 5.

1 21. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 6.

1 22. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 7.

1 23. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 8.

1 24. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 9.

1 25. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 10.

1 26. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 11.

1 27. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 12.

1 28. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 13.

1 29. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 14.

1 30. An electronically readable media having code embodied therein for causing an
2 electronic device to facilitate the steps of the method of Claim 15.

1 31. A computer-readable medium having stored thereon a data structure comprising:
2 a position field containing data representing a position for triggering a process for
3 remapping a pointing device to another display; and
4 a position field containing data representing the position of the pointing device.

1 32. The computer-readable medium of claim 31, wherein the position field contains data
2 representing the width of an area near an edge.

1 33. The computer-readable medium of claim 32, wherein:
2 the pointing device includes a graphics tablet and a stylus; and
3 the edge is an edge of the graphics tablet.

1 34. The computer-readable medium of claim 31, and further including a preset time field
2 containing data representing an activation time period.

1 35. The computer-readable medium of claim 31, and further including an elapsed time
2 field containing data representing an elapsed time.

1 36. The computer-readable medium of claim 35, wherein the elapsed time is a time
2 which a pointing device has remained in a designated zone.

1 37. The computer-readable medium of claim 31, and further including an adjacent
2 monitor field containing data representing the presence of a display adjacent an active monitor.

1 38. A graphics display system comprising:
2 a plurality of displays;
3 a pointing device;
4 a position monitor; and
5 a remapper responsive to output from said position monitor, and operative to
6 automatically remap the pointing device from one of the displays to another one
7 of the displays.

1 39. A graphics display system comprising:
2 a plurality of displays;
3 a pointing device; and
4 means for automatically remapping the pointing device from one of the displays to
5 another one of the displays.

1 40. A method for mapping a pointing device to multiple displays, said method
2 comprising:
3 mapping the pointing device to a first display; and
4 automatically remapping the pointing device to a second display.

1 41. The method of claim 40, wherein the step of automatically remapping the pointing
2 device to the second display includes:
3 receiving a predefined input via the pointing device indicative of a user's desire to use
4 the second display; and
5 remapping the pointing device to the second display responsive to receipt of the
6 predefined input.

1 42. A computer-readable medium having stored thereon a data structure comprising:
2 a first field containing data indicative of a particular display; and
3 a second field containing data indicative of said particular display's position relative
4 to a second display.

1 43. A computer-readable medium according to Claim 42, wherein: said second field
2 contains perimeter coordinates associated with a display area of said particular display.

1 44. A computer-readable medium according to Claim 42, wherein said second field
2 contains data indicative of the position of a boundary between said particular display and said
3 second display.

1 45. A computer-readable medium according to Claim 44, wherein said data structure
2 further comprises a third field containing data indicative of said second display.